

(Fatty acid composition of liquid feed composition)

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|--|---------------|
| (1) C ₈ -C ₁₀ saturated fatty acids: | 40% by weight |
| (2) Unsaturated fatty acids of C ₁₆ or above: | 52% by weight |
| (3) Saturated fatty acids of C ₁₂ or above: | 8% by weight |

The C₈-C₁₀ fatty acids (1) as given above were prepared by using commercially available MCT (Coconad MT; a triglyceride mixture manufactured by Kao Corporation), while the unsaturated fatty acids of C₁₆ or above were prepared by using soybean oil.

TABLE 2

| | Control lot | Test lot |
|--------------------------------------|-------------|----------|
| Number of tested piglings | 65 | 32 |
| Number of weaning piglings | 37 | 27 |
| Growth ratio (%) | 56.9 | 84.4 |
| Average body weight at birth (kg) | 0.80 | 0.79 |
| Average body weight on 21st day (kg) | 4.24 | 5.16 |

The following Table 3 shows the survival rate depending on body weight at birth observed in the above test.

TABLE 3

| Body weight at birth (kg) | Control lot (%) | Test lot (%) |
|-----------------------------|-----------------|--------------|
| 0.9 or more - less than 1.0 | 80.9 | 100.0 |
| 0.8 or more - less than 0.9 | 64.7 | 85.7 |
| 0.7 or more - less than 0.8 | 38.5 | 78.5 |
| 0.6 or more - less than 0.7 | 36.4 | 70.0 |

EXAMPLE 3

By using the liquid feed composition for infant livestock prepared in the above Example 2, the evaluation of Example 2 was repeated except that the composition was orally administered to newborn pigs within 12 hours from its birth. Table 4 summarizes the results.

TABLE 4

| | Control lot | Test lot |
|----------------------------|-------------|----------|
| Number of tested piglings | 93 | 61 |
| Number of weaning piglings | 51 | 47 |
| Growth ratio (%) | 54.8 | 86.5 |

TABLE 4-continued

| | Control lot | Test lot |
|--------------------------------------|-------------|----------|
| Average body weight at birth (kg) | 0.81 | 0.82 |
| Average body weight on 21st day (kg) | 4.37 | 4.98 |

While the invention has been described in detail and with reference to specific embodiments thereof, it will be apparent to one skilled in the art that various changes and modifications can be made therein without departing from the spirit and scope thereof.

What is claimed is:

1. In a method for breeding an infant animal which comprises orally administering a liquid feed composition comprising fats and oils having a fatty acid composition comprising 10% by weight or more of a saturated fatty acid having 6 to 12 carbon atoms to a newborn animal within 24 hours from its birth,

the improvement which comprises said fats and oils comprising a triglyceride of a middle chain fatty acid having 6 to 12 carbon atoms and a triglyceride of a long chain fatty acid having 16 or more carbon atoms in a weight ratio of said triglyceride of said middle chain fatty acid to said triglyceride of said long chain fatty acid of from 60/40 to 25/75, whereby due to the oral administering of said liquid feed the survival rate of said infant animal is improved.

2. The method of claim 1, wherein said fats and oils have a fatty acid composition comprising 25% by weight or more of a saturated fatty acid having 6 to 10 carbon atoms.

3. The method of claim 2, wherein said saturated fatty acid amounts from 25 to 60% by weight in the fatty acid composition of said fats and oils.

4. The method of claim 3, wherein said fatty acid composition further comprises from 20 to 70% by weight of an unsaturated fatty acids having 16 or more carbon atoms.

5. The method of claim 1, wherein said triglyceride of a long chain fatty acid is a vegetable oil.

6. The method of claim 1, wherein said infant animal is a weak pigling.

7. The method claim 1, wherein said liquid feed composition is administered in an amount of from 0.5 to 10 g.

8. The method of claim 1, wherein said infant animal is a calf, foal or piglet.

9. The method of claim 1, wherein said infant animal is a puppy or kitten.

10. The method of claim 1 wherein said infant animal is a newborn pig weighing less than 1 kg at birth.

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